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This report lists Naval Research Laboratory papers published in periodicals, books, and proceedings, and Naval Research Laboratory in-house publications including formal and memorandum reports, which became available in 1990. Patents received by Naval Research Laboratory personnel in the year of 1990 are also listed as they appeared in <i>Patent Issue Report</i> published by the Naval Research Laboratory Patent Office. The papers are listed in the following broad subject categories: acoustics; artificial intelligence; atmospheric sciences; biosciences; ceramics, glasses, and plastics; chemistry; communications; computer sciences; electronics and electricity; fluid mechanics; geosciences; information; instrumentation; laser science; magnetism; mathematics; mechanics; metallurgy; nuclear science; ocean science and technology; optical sciences; physics; plasma physics; radar; radiation technology; solid state; space science and technology; and structure research. Within each subject category, papers are listed alphabetically by title as are the inhouse publications and patents appearing after the listing of papers. An * following an author's name indicates that author was not an employee of the Naval Research Laboratory. An author index is included.							
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INTRODUCTION

This report lists Naval Research Laboratory papers published in periodicals, books, and proceedings and in-house publications, including formal and memorandum reports, that became available in 1990. Patents received by Naval Research Laboratory personnel in 1990 are listed as they appeared in *Patent Issue Report* published by the Naval Research Laboratory Patent Office. An author index is also included.

The papers are listed in the following broad subject categories: acoustics; artificial intelligence; atmospheric sciences; biosciences; ceramics, glasses, and plastics; chemistry; communications; computer sciences; electronics and electricity; fluid mechanics; geosciences; information; instrumentation; laser science; magnetism; mathematics; mechanics; metallurgy; nuclear science; ocean science and technology; optical sciences; physics; plasma physics; radar; radiation technology; solid state; space science and technology; and structure research. Within each subject category, papers are listed alphabetically by title as are the in-house publications and patents, which appear after the listing of papers. An asterisk (*) following an author's name indicates that the author was not credited as being a member of the Naval Research Laboratory's staff.

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